

## Refine Search

### Search Results -

Terms	Documents
L48 and ((soil near release) or detergent or (laundry near detergent))	45

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L49

Refine Search

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### Search History

 DATE: Sunday, October 16, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L49</u>	L48 and ((soil near release) or detergent or (laundry near detergent))	45	<u>L49</u>
<u>L48</u>	L47 and (graft near copolymer)	46	<u>L48</u>
<u>L47</u>	L46 and (cationically near charge\$2)	119	<u>L47</u>
<u>L46</u>	L45 and (polyethylene near oxide)	3121	<u>L46</u>
<u>L45</u>	L44 and (backbone or substrate)	3668	<u>L45</u>
<u>L44</u>	L43 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	5704	<u>L44</u>
<u>L43</u>	L42 and ((polyethylene near oxide) or (polyalkylene near oxide) or (grafted near ethylene near oxide))	25135	<u>L43</u>
<u>L42</u>	polymethacrylate or polyacrylate or polyester	598036	<u>L42</u>
<u>L41</u>	L40 and 525/\$.ccls.	29	<u>L41</u>

<u>L40</u>	L39 and ((soil near release) or detergent or (laundry near detergent))	760	<u>L40</u>
<u>L39</u>	L38 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	3427	<u>L39</u>
<u>L38</u>	L37 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or (polyethylene near glycol) or (ethylene near oxide))	17745	<u>L38</u>
<u>L37</u>	(polymethacrylate near backbone) or (polymethacrylate near substrate) or (grafted near polymethacrylate) or (polyvinyl near acetate)	57960	<u>L37</u>
<u>L36</u>	4746456.pn.	2	<u>L36</u>
<u>L35</u>	EP-219048-\$.did.	1	<u>L35</u>
<u>L34</u>	EP000219048B1	0	<u>L34</u>
<u>L33</u>	EP000219048A2	0	<u>L33</u>
<u>L32</u>	EP000219048A1	0	<u>L32</u>
<u>L31</u>	EP000219048a1	0	<u>L31</u>
<u>L30</u>	EP000219048B	0	<u>L30</u>
<u>L29</u>	EP000219048B	0	<u>L29</u>
<u>L28</u>	EP000219048	0	<u>L28</u>
<u>L27</u>	L25 and L23	4	<u>L27</u>
<u>L26</u>	L25 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	3	<u>L26</u>
<u>L25</u>	polyethylene near glycol near methyl near ether near methacrylate	21	<u>L25</u>
<u>L24</u>	L23 and ((polymethacrylic near ester near backbone) or (polyacrylic near ester near backbone) or (polymethacrylate near backbone) or (polymethacrylate near substrate) or (polyvinyl near ester near backbone) or (polyvinyl near ester near substrate))	6	<u>L24</u>
<u>L23</u>	((soil near release) or detergent or (laundry near detergent))	169524	<u>L23</u>
<u>L22</u>	L20 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	9	<u>L22</u>
<u>L21</u>	L20 and L19	0	<u>L21</u>
<u>L20</u>	4444561	22	<u>L20</u>
<u>L19</u>	L18 and ((soil near release) or detergent or (laundry near detergent))	27	<u>L19</u>
<u>L18</u>	L17 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	200	<u>L18</u>
	L6 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or		

<u>L17</u>	(grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or (polyethylene near glycol))	810	<u>L17</u>
<u>L16</u>	L15 and ((soil near release) or detergent or (laundry near detergent))	7	<u>L16</u>
<u>L15</u>	L14 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	46	<u>L15</u>
<u>L14</u>	(polyethylene near glycol near methy near ether near methacrylate) or PEGMA	181	<u>L14</u>
<u>L13</u>	L11 and ((soil near release) or detergent or (laundry near detergent))	2	<u>L13</u>
<u>L12</u>	L11 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	0	<u>L12</u>
<u>L11</u>	L10 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or (polyethylene near glycol))	7	<u>L11</u>
<u>L10</u>	(polymethacrylate near backbone) or (polymethacrylate near substrate)	86	<u>L10</u>
<u>L9</u>	L8 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate))	6	<u>L9</u>
<u>L8</u>	L7 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or (polyethylene near glycol))	71	<u>L8</u>
<u>L7</u>	L6 and grafted	157	<u>L7</u>
<u>L6</u>	(polymethacrylate near ester) or (polyacrylate near ester)	2469	<u>L6</u>
<u>L5</u>	L4 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate))	1	<u>L5</u>
<u>L4</u>	L3 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units))	16	<u>L4</u>
<u>L3</u>	L2 and grafted	5120	<u>L3</u>
<u>L2</u>	L1 and (backbone or substrate)	47672	<u>L2</u>
<u>L1</u>	polymethacrylate or polyacrylate or (methacrylate near resin) or (acrylate near resin) or (acrylate near polymer)	115657	<u>L1</u>

END OF SEARCH HISTORY

## Refine Search

### Search Results -

Terms	Documents
L15 and ((soil near release) or detergent or (laundry near detergent))	7

Database:

US Pre-Grant Publication Full-Text Database  
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 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L16

Refine Search

Recall Text

Clear

Interrupt

### Search History

 DATE: Sunday, October 16, 2005    [Printable Copy](#)    [Create Case](#)

<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
side by side			
<i>DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L16</u>	L15 and ((soil near release) or detergent or (laundry near detergent))	7	<u>L16</u>
<u>L15</u>	L14 and ((tertiary near amine near acrylate) or (tertiary near amine near acrylate) or (2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	46	<u>L15</u>
<u>L14</u>	(polyethylene near glycol near methy near ether near methacrylate) or PEGMA	181	<u>L14</u>
<u>L13</u>	L11 and ((soil near release) or detergent or (laundry near detergent))	2	<u>L13</u>
<u>L12</u>	L11 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate) or (tertiary near amine near acrylate) or (tertiary near nitrogen) or (quaternary near nitrogen) or (tertiary near amine))	0	<u>L12</u>
<u>L11</u>	L10 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or	7	<u>L11</u>

	(polyethylene near glycol))		
<u>L10</u>	(polymethacrylate near backbone) or (polymethacrylate near substrate)	86	<u>L10</u>
<u>L9</u>	L8 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate))	6	<u>L9</u>
	L7 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units) or (polyethylene near oxide) or (grafted near polyethylene near glycol) or (polyethylene near glycol))	71	<u>L8</u>
<u>L7</u>	L6 and grafted	157	<u>L7</u>
<u>L6</u>	(polymethacrylate near ester) or (polyacrylate near ester)	2469	<u>L6</u>
<u>L5</u>	L4 and ((2-dimethylaminoethyl near methacrylate) or DMAEMA or (dimethylaminoethyl near methacrylate))	1	<u>L5</u>
	L3 and ((grafted near polyethylene near oxide) or (grafted near polyethylene near oxide near chain) or (polyethylene near oxide near side near chain) or (grafted near polyethylene near oxide near units) or (grafted near EO near units))	16	<u>L4</u>
<u>L3</u>	L2 and grafted	5120	<u>L3</u>
<u>L2</u>	L1 and (backbone or substrate)	47672	<u>L2</u>
<u>L1</u>	polymethacrylate or polyacrylate or (methacrylate near resin) or (acrylate near resin) or (acrylate near polymer)	115657	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 7 of 7 returned.

☐ 1. Document ID: US 20040171513 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 7

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040171513

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040171513 A1

TITLE: Use of graft polymers in fabric cleaning

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Blokzijl, Wilfried	Merseyside		GB
Jones, Christopher Clarkson	Merseyside		GB
Rogers, Susanne Henning	Merseyside		GB
Royles, Brodyck James Lachlan	Merseyside		GB

US-CL-CURRENT: 510/475

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw D
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☐ 2. Document ID: US 20040127391 A1

L16: Entry 2 of 7

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040127391

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040127391 A1

TITLE: Polymers and laundry detergent compositions containing them

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Claesson, Per Martin	Stockholm		SE
de Groot, Petrus Wilhelmus Nicolaas	Vlaardingen		NL
MacNab, Donna	Bebington		GB
van der Wal, Albert	Bebington		GB

Zhou, Becky

Bebington

GB

US-CL-CURRENT: 510/475; 525/523, 525/533

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMBC	Drawings
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☐ 3. Document ID: US 20040121938 A1

L16: Entry 3 of 7

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040121938

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040121938 A1

TITLE: Laundry treatment compositions

PUBLICATION-DATE: June 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Blokzijl, Wilfried	Bebington	CA	GB
Carswell, Robert John	Bebington	CA	GB
Charmot, Dominique	Campbell	CA	US
Hunter, Robert Alan	Bebington	CA	GB
Liu, Mingjun	Santa Clara		US
Mansky, Paul	San Francisco		US
Nava-Salgado, Victor	San Jose		US
Unali, Giovanni Francesco	Bebington		GB

US-CL-CURRENT: 510/511; 510/504

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMBC	Drawings
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☐ 4. Document ID: US 20020155225 A1

L16: Entry 4 of 7

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020155225

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020155225 A1

TITLE: Method for charge-modifying polyester

PUBLICATION-DATE: October 24, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yeh, Eshan B.	Unionville	CT	US
Ostreicher, Eugene A.	Farmington	CT	US

Sale, Richard D.	Tolland	CT	US
Bucholz, Marjorie B.	Meriden	CT	US

US-CL-CURRENT: 427/407.1; 427/299, 427/322, 427/384, 427/430.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D.
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☐ 5. Document ID: US 20020142933 A1

L16: Entry 5 of 7

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020142933  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020142933 A1

TITLE: Charge-modified dye absorption media

PUBLICATION-DATE: October 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Yeh, Esran B.	Unionville	CT	US
Ostreicher, Eugene A.	Farmington	CT	US
Holler, Thomas D.	Glastonbury	CT	US
Hamlin, Thomas J.	Vernon	CT	US
Caco, William H.	Southington	CT	US
Bucholz, Marjorie B.	Meriden	CT	US
Armack, Jack L.	Plantsville	CT	US

US-CL-CURRENT: 510/297; 510/515

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMK	Draw D.
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☐ 6. Document ID: US 6828400 B1

L16: Entry 6 of 7

File: USPT

Dec 7, 2004

US-PAT-NO: 6828400  
DOCUMENT-IDENTIFIER: US 6828400 B1

TITLE: Washable impregnation compositions

DATE-ISSUED: December 7, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Newberth, III; Frederick F.	West Hartford	CT		
Chupas; Peter J.	Port Jefferson	NY		



US-CL-CURRENT: [526/321](#); [523/176](#), [526/219.6](#), [526/227](#), [526/230](#), [526/320](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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☐ 7. Document ID: EP 1569972 A1, WO 2004055075 A1, US 20040127391 A1, AU 2003292028 A1

L16: Entry 7 of 7

File: DWPI

Sep 7, 2005

DERWENT-ACC-NO: 2004-525041

DERWENT-WEEK: 200559

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TITLE: Graft copolymer useful in laundry detergent comprises backbone units from ethylenically unsaturated monomer, hydrophilic uncharged side chains and cationically chargeable or charged side chains containing tertiary or quaternary nitrogen

INVENTOR: CLAESSION, P M; DE GROOT, P W N ; MACNAB, D ; VAN DER WAL, A ; ZHOU, B

PRIORITY-DATA: 2002GB-0029147 (December 13, 2002)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<a href="#">EP 1569972 A1</a>	September 7, 2005	E	000	C08F283/06
<a href="#">WO 2004055075 A1</a>	July 1, 2004	E	031	C08F283/06
<a href="#">US 20040127391 A1</a>	July 1, 2004		000	C08L051/00
<a href="#">AU 2003292028 A1</a>	July 9, 2004		000	C08F283/06

INT-CL (IPC): [C08 F 283/06](#); [C08 L 51/00](#); [C11 D 3/37](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMK	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L15 and ((soil near release) or detergent or (laundry near detergent))	7

Display Format:  [Previous Page](#)[Next Page](#)[Go to Doc#](#)

 PALM IntranetApplication  
Number **SEARCH**IDS Flag Clearance for Application **IDS**  
Information

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	03-11-2004	13	<input checked="" type="checkbox"/>	04-29-2004 14:24:53 dbatts
M844	06-16-2004	16	<input checked="" type="checkbox"/>	09-09-2004 14:22:22 rgeter

**UPDATE**